



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

82542-35

Date of Issuance:

10/29/19

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Paraquat Technical

Name and Address of Registrant (include ZIP Code):

Robert Hawk  
Registration Manager  
Source Dynamics, LLC  
12230 E Del Norte  
Yuma, AZ 85367-7355

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Emily Schmid, Product Manager 25  
Herbicide Branch, Registration Division (7505P)

Date:

10/29/19

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 82542-35.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/30/2018

If you have any questions, please contact Lydia Crawford by phone at 703-347-0622, or via email at [Crawford.Lydia@epa.gov](mailto:Crawford.Lydia@epa.gov).

Enclosure

10/29/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 82542-35

# PARAQUAT TECHNICAL

For the Formulation of Paraquat-containing Herbicide Products Only

## Active Ingredient:

|  |        |
|--|--------|
| Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride) ..... | 45.4%  |
| Other Ingredients:.....  | 54.6%  |
| <b>Total:</b> .....  | 100.0% |

Contains 3.14 pounds paraquat cation per gallon as 4.332 pounds of paraquat dichloride salt per gallon.

KEEP OUT OF REACH OF CHILDREN  
MANTENER FUERA DEL ALCANCE DE LOS NIÑOS

**DANGER / PELIGRO**



**POISON / VENENO**

READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT

- CORROSIVE TO SKIN AND EYES
- NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES.
- READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT.
- IN THE CASE OF AN ACCIDENT, SEEK IMMEDIATE MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL.

LEA TODA LA ETIQUETA ANTES DE UTILIZAR ESTE PRODUCTO

- CORROSIVO PARA LA PIEL Y LOS OJOS.
- NUNCA TRANSFERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
- LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
- EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS, Y PUEDEN SER MORTALES.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

## FIRST AID

Contains Paraquat, a Bipyridylum Herbicide. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

### IF SWALLOWED:

- Call a poison control center or doctor IMMEDIATELY for treatment advice.
- **SPEED IS ESSENTIAL.** Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fuller's Earth.
- Do not give anything by mouth to an unconscious person.

### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

### IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Administer either activated charcoal (100 grams for adults or 2g/kg body weight in children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat; however, contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.

### HOT LINE NUMBERS:

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. Call the National Poison Control Center at 1-800-222-1222 for emergency medical treatment information. For a transportation emergency, please contact CHEMTREC at 1-800-424-9300.

Source Dynamics LLC  
12230 E Del Norte  
Yuma, AZ 85367-7355

EPA Reg. No.: 82542-35  
EPA Est. No.  
Net Contents:

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Fatal if inhaled. Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Do not breathe spray mist. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**IMPORTANT:** Inhalation is an unlikely route of exposure due to low vapor pressure and large spray droplet size, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**When handling or mixing concentrate or when exposure to concentrate is possible, wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride (PVC) ≥14 mils, or Viton® ≥14 mils.
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N1, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N1, R, or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

### ENVIRONMENTAL HAZARDS

This product is **toxic to wildlife**. Do not discharge effluent containing this product or apply directly to water or apply to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Paraquat dichloride is **toxic to nontarget crops and plants** if off-target movement occurs because it desiccates all green plant tissue. Extreme care must be taken to ensure that off-target drift is minimized to the greatest extent possible. Refer to the local state laws, regulations, guidelines, and spray drift information contained in the Directions for Use section for proper application to avoid off-target movement. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from treated areas. To avoid drift, do not make aerial application during periods of thermal inversion.

### PHYSICAL AND CHEMICAL HAZARDS

This product is **mildly corrosive to aluminum** and produces hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. The product is compatible with high density polyethylene and rubber-lined steel containers.

**EQUIPMENT/CONTAINER:** Flush all equipment with water after use each day. Aluminum equipment and aluminum structures that are exposed to solution or spillage should be flushed thoroughly with water immediately after use.

### SPILLAGE DURING TRANSPORT

**EMERGENCY ACTION:** Notify police and fire departments immediately regarding any spill, leak, fire or exposure.

**KEEP THE PUBLIC AND ANIMALS** away from your area.

**MARK ROADS AND WARN OTHER ROAD USERS.**

**WEAR** a face shield, chemical-resistant gloves, waterproof footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with a generous amount of clay or loam soil to absorb liquid, using a stiff broom to ensure intimate contact. Sweep onto shovel and transfer to a plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose the spill site with water if feasible.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ THE ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Only for formulation into a herbicide for the following uses:

- **Terrestrial Food and Feed:** Acerola; Alfalfa; Almonds; Apples; Apricots; Artichoke, Chinese; Artichoke, Jerusalem; Asparagus; Atemoya; Avocados; Bananas/Plantains; Barley; Beans (dry type, mung, lima, snap, garbanzos including chickpeas); Biriba; Blackberries; Black sapote; Blueberries; Boysenberries; Brazil nut; Broccoli; Butternut; Cabbage; Cabbage, Chinese; Cacao; Calamondin; Canistel; Carrots; Cashew; Cassava, bitter and sweet; Cauliflower; Chayote (fruit and root); Cherimoya; Cherries; Chestnut; Chinquapin;; Citrus fruits, Citron melon; Citrus citron; Clover, Crownvetch, Lespedeza, Lupine and other legumes; Coffee; Collards; Corn (unspecified, pop, field, sweet, and seed); Cotton; Cucumber; Currant; Custard apple; Dasheen (taro); Easter Lilies; Eggplant; Elderberry; Endive (escarole); Fallow land; Feijoa; Figs; Filberts; Garlic; Gherkin; Gooseberry; Gourd, edible; Grapefruit; Grapes (fresh, raisin, wine); Groundcherry; Guar; Guava; Hops; Hickory nut; Hops, Huckleberry; Ilima; Jaboticaba; Kiwi fruit; Kumquat; Legume vegetables, Lemon; Lentils; Leren; Lettuce; Lime; Loganberry; Longan; Lychee; Macadamia nut; Mamey sapote; Mandarin; Mandarin, Satsuma; Mango; Mint (peppermint and spearmint); Momordica spp.; Muskmelon; Nectarines; Okra; Olives; Onions; Orange (sour & sweet); Orchards (unspecified); Papayas; Passion Fruit; Pastures; Pawpaw; Peaches; Peanuts; Pears; Peas (unspecified, field, pigeon); Pecans; Pepino; Peppers; Persimmon; Pigeon peas; Pineapple; Pistachios; Plums; Pomegranate; Potato; Prunes; Pulasan; Pummelo; Pumpkin; Rambutan; Raspberries; Rice; Safflower; Sainfoil; Sapodilla; Small fruits; Small grains; Sorghum; Soursop; Soybeans; Spanish lime; Squash; Star apple; Starfruit; Strawberries; Sugar apple; Sugarbeets; Sugarcane; Sunflower; Sweet corn; Sweet potato; Taniers; Timothy, Tomatillo; Tomatoes; Trefoil; Turnips; Tyfon; Vegetables, Vetch; Walnuts; Watermelon; Waxgourd, Chinese; Wax jambu; Wheat; White sapote; Yam bean; Yam, true
- **Terrestrial Nonfood:** Chemical Fallow, Conservation Compliance Lands, Conservation Reserve Lands, Federal Set-Aside Lands, Grasses grown for seed, Resin soaking (pines), Noncrop Uses (including but not limited to public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and other installations, and fence lines), Tree Plantation Establishment; Agricultural fallow/idle land, Airports/landing fields, Commercial/industrial lawns, Commercial/institutional/industrial, Premises/equipment (outdoor), Fencerows/hedgerows, Grasses grown for seed, Industrial areas (outdoors), Jojoba, Nonagricultural outdoor buildings/structures, Nonagricultural uncultivated areas/soils; Ornamental and/or shade trees; Peach (nonbearing/seed beds), Tomato (post-harvest), Wood protection treatment to forest products (seasoned)
- Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- Uses for experimental purposes that are in compliance with USEPA requirements.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container and place in a locked storage area. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. Store at temperatures above 32°F. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

#### **Nonrefillable Container (rigid material, greater than 5 gallons):**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth several times, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### **Refillable Containers:**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Offer for recycling, if available.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full of water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system.

Repeat this rinsing procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY STATEMENT IMPORTANT NOTICE** - Seller warrants that this product conforms to the chemical description and is reasonably fit for purposes stated on the label when used in accordance with the directions and instructions under normal conditions of use; **but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, buyer assumes the risk of any such use.**